

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57636 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 19 2012

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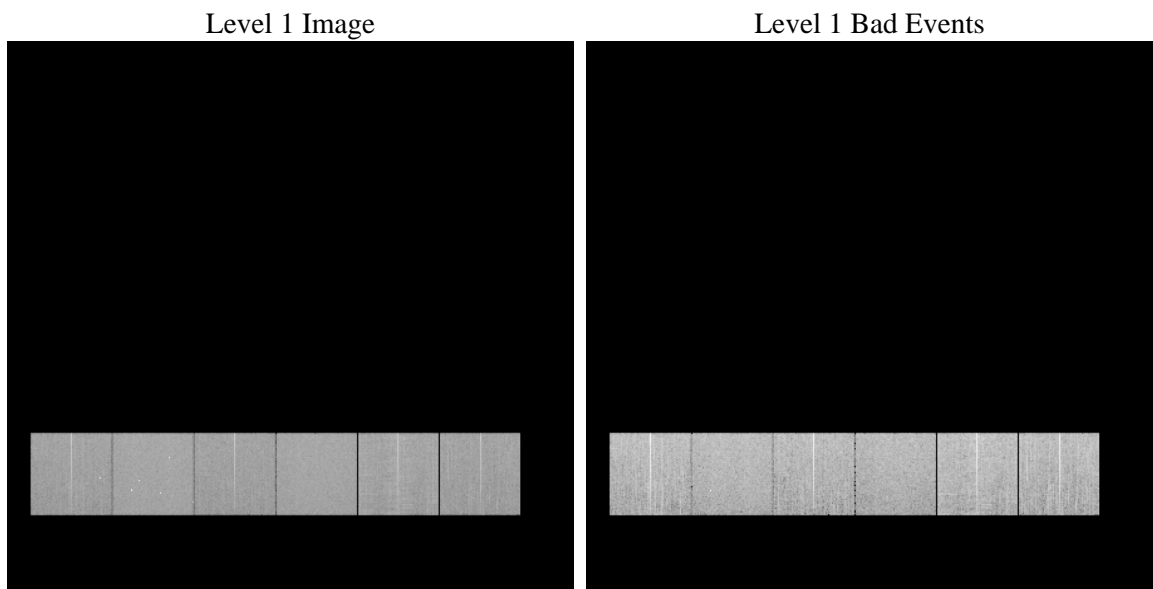
# 1 Front

seq_num	&#160	Sequence number
obs_id	57636	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	349.97105315498	Nominal RA [deg]
dec_nom	9.0027858782043	Nominal Dec [deg]
roll_nom	141.56894954712	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7788.7999710441	Sum of GTIs [s]
livetime	7690.1734959584	Livetime [s]
ontime4	7788.7999710441	Sum of GTIs [s]
ontime5	7788.7999710441	Sum of GTIs [s]
ontime6	7788.7999710441	Sum of GTIs [s]
ontime7	7788.7999710441	Sum of GTIs [s]
ontime8	7788.7999710441	Sum of GTIs [s]
ontime9	7788.7999710441	Sum of GTIs [s]
l2events	560633	Number of level 2 events

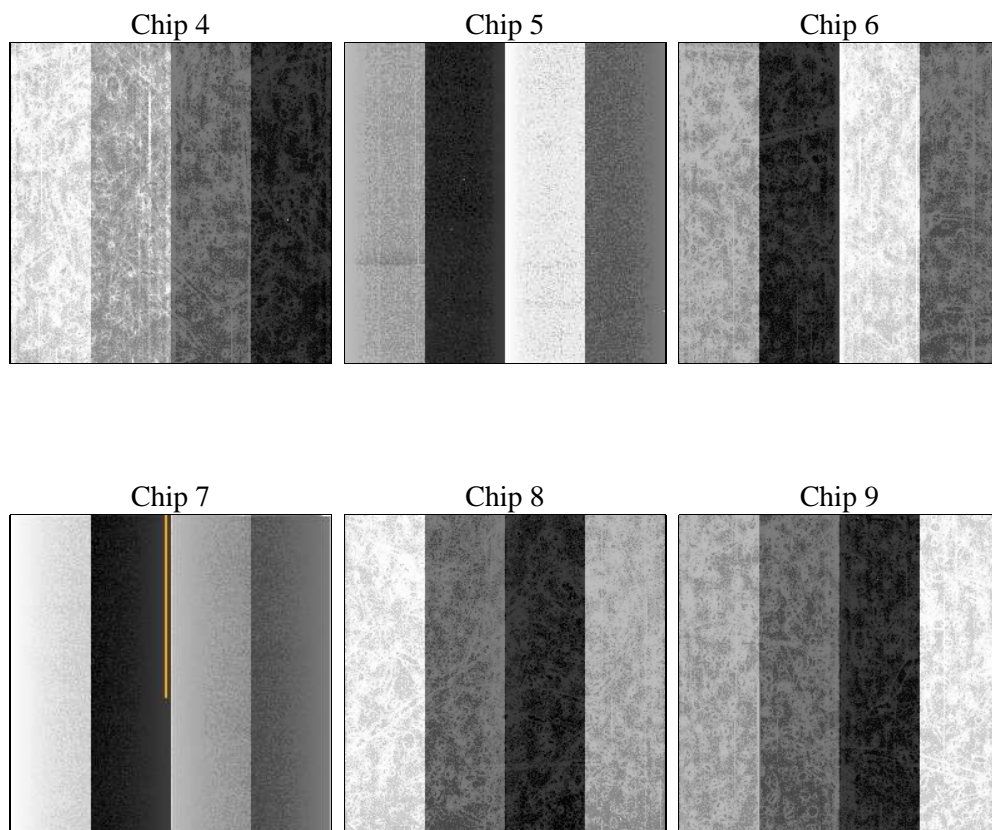
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7788.7999710441	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7788.7999710441	Sum of GTIs [s]
date	2012-05-20T00:32:48	Date and time of file creation	ontime5	7788.7999710441	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7788.7999710441	Sum of GTIs [s]
			ontime7	7788.7999710441	Sum of GTIs [s]
			ontime8	7788.7999710441	Sum of GTIs [s]
			ontime9	7788.7999710441	Sum of GTIs [s]
			l1events	1046248	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	163182	189601	160745	184491	185526	162703	grade 0 events	49193	19759	47797	24192	52183	47226
rejected events	77180	68832	70126	63075	81506	74897		30%	10%	29%	13%	28%	29%
rejected %	47%	36%	43%	34%	43%	46%	grade 1 events	509	217	301	154	330	346
								0%	0%	0%	0%	0%	0%
							grade 2 events	13768	42600	16373	26085	19327	15324
								8%	22%	10%	14%	10%	9%
							grade 3 events	5893	6151	5986	11458	7586	5780
								3%	3%	3%	6%	4%	3%
							grade 4 events	6019	5599	5798	11581	7395	5898
								3%	2%	3%	6%	3%	3%
							grade 5 events	3960	9750	4140	10580	5561	4810
								2%	5%	2%	5%	2%	2%
							grade 6 events	11157	46694	14704	48100	17581	13578
								6%	24%	9%	26%	9%	8%
							grade 7 events	72683	58831	65646	52341	75563	69741
								44%	31%	40%	28%	40%	42%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	349.9710531549751	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.002785878204257	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	141.5689495471216	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	336063369.975857	336063368.95086			
Observation start date	2008-08-25T14:56:10	2008-08-25T14:56:08			
[s] Observation end time (MET)	336100296.62767	336100295.60267			
Observation end date	2008-08-26T01:11:37	2008-08-26T01:11:35			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7887999710441

### A.2 Comments